

AMENDMENTS TO THE CLAIMS

Please cancel Claims 1-22 and 30 as indicated below.

Claims 1-22 (**Canceled**).

23. (**Original**): A method for controlling battery power comprising the acts of:
selectively providing a first external power source or a second external power source to a device coupled to a system power terminal;
coupling an internal battery to the system power terminal via a series-connected bi-directional transistor;
charging the internal battery by regulating the bi-directional transistor to conduct a charging current in a first direction from the system power terminal to a positive battery terminal during a charging mode; and
discharging the internal battery by regulating the bi-directional transistor to conduct a discharging current in a second direction from the positive battery terminal to the system power terminal during a discharging mode.
24. (**Original**): The method of Claim 23, further comprising the acts of:
sensing a supply current from the second external power source; and
linearly adjusting the charging current to prevent the supply current from exceeding a predefined threshold.
25. (**Original**): The method of Claim 23, wherein the impedance of the bi-directional transistor varies to limit the level of the charging current or the discharging current.
26. (**Original**): The method of Claim 23, wherein the impedance of the bi-directional transistor varies inversely with the discharging current level during the discharging mode.
27. (**Original**): The method of Claim 23, wherein the charging mode occurs when the voltage on the system power terminal is greater than the voltage of the internal battery.
28. (**Original**): The method of Claim 23, wherein the discharging mode occurs when the voltage on the system power terminal is less than the voltage of the internal battery.
29. (**Original**): The method of Claim 23, wherein the discharging mode occurs in response to a discharge command.
30. (**Canceled**).